

BARITE STATISTICS

By David A. Buckingham and M. Michael Miller

[All values are in metric tons (t) of barite equivalents unless otherwise noted]

Last modification: March 30, 2005

Year	Reported production	Reported imports	Reported exports	Estimated apparent consumption	Estimated unit value (\$/t)	Estimated unit value (98\$/t)	Reported crushed and ground sold or used	Reported world production
1900	61,400	4,560		66,000	3.34	65.00		
1901	44,500	5,080		49,600	3.98	78.00		
1902	55,900	8,600		64,500	5.40	100.00		
1903	45,700	11,600		57,400	3.90	71.00		
1904	59,600	12,800		72,400	3.46	63.00		
1905	43,800	17,300		61,000	4.11	75.00		
1906	45,600	12,700		58,300	3.87	70.00	36,900	
1907	81,300	28,800		110,000	4.22	74.00	43,000	
1908	35,000	15,500		50,400	3.94	72.00	25,800	
1909	56,200	13,300		69,500	3.80	69.00	31,500	
1910	39,000	22,500		61,500	3.25	57.00	34,600	
1911	34,900	21,200		56,100	3.24	57.00	35,900	
1912	34,000	21,700		55,700	4.18	71.00	34,700	
1913	41,100	42,400		83,500	7.85	129.00	33,600	212,000
1914	47,900	32,700		80,600	10.50	171.00	32,500	
1915	98,500	6,810		105,000	7.26	117.00	46,800	
1916	201,000	2,430		204,000	7.06	106.00	59,400	
1917	188,000	765		188,000	6.47	82.40	47,800	
1918	141,000	328		141,000	7.50	81.00	50,000	
1919	190,000	678		191,000	9.72	91.70	52,600	359,000
1920	207,000	24,400		231,000	11.40	92.30	59,600	453,000
1921	60,200	15,800	0	76,000	15.40	140.00	25,100	242,000
1922	141,000	35,400	1,030	175,000	12.80	124.00	41,900	414,000
1923	194,000	27,400	943	221,000	11.80	112.00	35,900	445,000
1924	178,000	28,400	586	206,000	11.10	105.00	34,700	487,000
1925	207,000	35,500	817	242,000	9.59	89.60	45,100	536,000
1926	216,000	57,600	1,230	272,000	9.54	87.50	52,400	527,000
1927	231,000	74,000	1,340	303,000	8.20	76.60	52,300	536,000
1928	245,000	68,500	2,110	311,000	8.36	79.60	58,400	635,000
1929	252,000	88,900	2,890	338,000	7.65	72.90	49,400	677,000
1930	213,000	56,600	2,330	267,000	7.77	76.20	50,200	592,000
1931	158,000	72,400	2,430	228,000	6.40	68.60	29,300	468,000
1932	118,000	46,600	2,040	162,000	5.91	70.40	30,700	368,000
1933	152,000	51,500	753	203,000	6.44	80.70	31,400	439,000
1934	190,000	40,900	1,530	230,000	5.84	71.00	48,400	770,000
1935	204,000	48,800	1,510	251,000	6.22	74.00	69,200	726,000
1936	257,000	36,500	1,610	292,000	6.57	77.00	62,700	854,000
1937	323,000	65,600	1,700	387,000	6.86	77.70	118,000	992,000
1938	281,000	26,700	19,200	288,000	7.70	89.00	146,000	975,000
1939	348,000	13,700	3,080	359,000	6.00	70.30	155,000	961,000
1940	371,000	6,990	9,080	369,000	4.14	48.20	167,000	959,000
1941	456,000	430	13,700	443,000	2.39	26.50	213,000	1,030,000
1942	390,000	4,300	10,800	383,000	2.55	25.50	162,000	1,000,000
1943	381,000	0	11,000	370,000	3.13	29.50	189,000	1,010,000
1944	470,000	72,400	7,340	536,000	5.89	54.50	313,000	1,120,000
1945	631,000	51,600	7,350	676,000	6.93	63.00	425,000	964,000
1946	657,000	40,500	6,320	691,000	6.70	55.80	413,000	1,110,000
1947	757,000	48,300	8,670	796,000	5.98	43.60	499,000	1,360,000
1948	726,000	48,300	13,300	761,000	5.48	37.00	573,000	1,210,000
1949	651,000	23,900	9,180	666,000	5.89	40.30	503,000	1,340,000
1950	631,000	54,400	5,940	679,000	8.20	55.40	520,000	1,450,000

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1951	781,000	48,500	13,000	816,000	6.58	41.10	638,000	1,670,000
1952	854,000	104,000	6,340	952,000	8.63	52.90	762,000	1,780,000
1953	857,000	305,000	2,490	1,160,000	9.87	60.20	835,000	1,960,000
1954	801,000	289,000	1,910	1,090,000	9.57	58.00	941,000	2,080,000
1955	1,010,000	327,000	1,200	1,330,000	9.61	58.60	1,120,000	2,420,000
1956	1,180,000	536,000	881	1,710,000	9.92	59.40	1,360,000	2,700,000
1957	1,040,000	757,000	629	1,800,000	10.40	60.60	1,330,000	3,340,000
1958	549,000	480,000	389	1,030,000	10.90	61.80	932,000	2,480,000
1959	818,000	583,000	342	1,400,000	10.90	60.70	1,100,000	2,700,000
1960	648,000	583,000	121	1,230,000	11.10	61.00	886,000	2,710,000
1961	725,000	559,000	386	1,280,000	11.70	64.00	940,000	2,820,000
1962	780,000	670,000	222	1,450,000	11.00	59.40	928,000	3,080,000
1963	748,000	526,000	533	1,270,000	11.10	58.80	934,000	2,880,000
1964	753,000	547,000	752	1,300,000	11.30	59.40	977,000	3,170,000
1965	773,000	648,000	387	1,420,000	11.10	57.60	1,060,000	3,540,000
1966	859,000	637,000	1,920	1,490,000	11.20	56.20	1,280,000	3,690,000
1967	873,000	485,000	467	1,360,000	12.00	58.60	1,190,000	3,570,000
1968	841,000	604,000	826	1,440,000	13.50	63.50	1,250,000	3,420,000
1969	977,000	562,000	690	1,540,000	14.10	62.60	1,460,000	3,850,000
1970	775,000	644,000	56,300	1,360,000	12.80	53.80	1,280,000	3,940,000
1971	748,000	443,000	20,300	1,170,000	14.90	60.10	1,230,000	3,730,000
1972	822,000	572,000	47,200	1,350,000	14.80	57.90	1,340,000	3,960,000
1973	1,000,000	665,000	61,400	1,600,000	14.40	52.80	1,440,000	4,750,000
1974	1,000,000	702,000	55,200	1,650,000	15.20	50.10	1,500,000	4,870,000
1975	1,200,000	615,000	52,000	1,760,000	16.90	51.30	1,660,000	5,010,000
1976	1,120,000	839,000	36,800	1,920,000	23.80	68.00	2,000,000	5,360,000
1977	1,360,000	883,000	44,700	2,190,000	25.30	68.10	2,350,000	5,960,000
1978	1,970,000	1,200,000	33,600	3,130,000	28.20	70.40	2,630,000	7,000,000
1979	1,920,000	1,380,000	97,100	3,200,000	35.90	80.50	2,920,000	7,170,000
1980	2,040,000	1,690,000	87,800	3,640,000	43.80	86.70	3,310,000	7,600,000
1981	2,580,000	1,770,000	56,400	4,300,000	48.00	86.10	4,280,000	8,310,000
1982	1,670,000	2,130,000	44,000	3,760,000	49.60	83.80	3,710,000	7,400,000
1983	684,000	1,280,000	20,700	1,940,000	51.00	83.50	2,490,000	5,470,000
1984	703,000	1,620,000	1,320	2,320,000	45.80	71.80	2,620,000	5,910,000
1985	670,000	1,940,000	5,330	2,600,000	42.30	64.10	1,980,000	6,160,000
1986	269,000	705,000	6,320	968,000	48.00	71.40	1,100,000	4,790,000
1987	406,000	769,000	8,240	1,170,000	45.60	65.40	1,300,000	4,810,000
1988	404,000	1,180,000	205	1,590,000	44.60	61.40	1,610,000	5,660,000
1989	290,000	1,060,000	9,710	1,340,000	48.40	63.60	1,280,000	5,820,000
1990	430,000	1,060,000	9,230	1,490,000	46.70	58.20	1,430,000	5,870,000
1991	448,000	907,000	43,300	1,310,000	51.60	61.80	1,270,000	5,570,000
1992	326,000	366,000	12,500	679,000	51.80	60.10	999,000	4,840,000
1993	315,000	815,000	18,500	1,110,000	45.80	51.60	1,090,000	4,470,000
1994	583,000	1,090,000	13,800	1,660,000	38.80	42.70	1,250,000	4,470,000
1995	543,000	1,050,000	15,600	1,580,000	42.90	45.90	1,370,000	4,830,000
1996	662,000	1,550,000	30,500	2,190,000	42.70	44.40	1,870,000	6,060,000
1997	692,000	2,260,000	21,600	2,930,000	46.20	46.90	2,180,000	6,690,000
1998	476,000	1,910,000	14,700	2,370,000	57.10	57.10	1,890,000	5,750,000
1999	434,000	871,000	21,800	1,280,000	52.50	51.40	1,370,000	6,160,000
2000	392,000	2,100,000	36,300	2,460,000	46.30	43.80	2,100,000	6,490,000
2001	400,000	2,510,000	45,000	2,870,000	45.40	41.80	2,670,000	6,590,000

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2002	420,000	1,550,000	47,200	1,920,000	46.60	42.20	1,980,000	6,020,000

Barite Worksheet Notes

Data Sources

Data sources for this barite worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB); and its predecessor, Mineral Resources of the United States (MR). The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data were not available.

Reported Production

Production data are published for only the years 1927–67, therefore, crude barite (unmanufactured barite) sold or used data are used in place of production data for the years 1900–2002. Data are reported in the MR and the MYB. The significant drop in reported production from 1982 to 1983 resulted from a major slump in the oil drilling industry that reduced demand for drilling mud.

Reported Imports

Data are total barite imports into the United States, including crude barite, crushed and ground barite, lithopone, blanc fixe and other barite compounds. Data are in terms of barite equivalents. Data are reported in the MR and the MYB.

Reported Exports

Data are the total barite exported from the United States, including crude barite, crushed and ground barite, lithopone, blanc fixe and other barite compounds. Export data were not available for the years 1900–20. Data are in terms of barite equivalents. Data are reported in the MR and the MYB.

Estimated Apparent Consumption

Apparent consumption data for the years 1900–2002 are estimated using the following equation.

$$\text{APPARENT CONSUMPTION} = \text{CRUDE BARITE SOLD or USED} + \text{TOTAL IMPORTS} - \text{TOTAL EXPORTS}.$$

Imports and exports data are in terms of barite equivalents. Data used in the above equation are reported in the MR and the MYB.

Estimated Unit Value (\$/t)

Apparent consumption unit value is defined as the value of 1 metric ton (t) of barite apparent consumption. The unit value data are estimated using the following equation.

$$\text{UNIT VALUE} = (\text{CRUDE BARITE SALES VALUE} + \text{TOTAL BARITE IMPORT VALUE} - \text{TOTAL BARITE EXPORT VALUE}) / (\text{BARITE APPARENT CONSUMPTION}).$$

Data used in the above equation are reported in the MR and the MYB.

Estimated Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars.

Reported Crushed and Ground Sold or Used

Data are domestic and imported crushed and ground barite sold or used. Category can also defined as domestic and imported crude barite sold or used by domestic grinding establishments, as crushed and ground barite, or as crushed and ground barite consumption. Data are not available for the years 1900–05. Data are reported in the MR and the MYB.

Reported World Production

Data are world crude barite production. Data are not available for the years 1900–12 and 1914–18. Data are reported in the MR and the MYB.

References

- U.S. Bureau of Mines, 1927–34, Mineral Resources of the United States, 1924–31.
- U.S. Bureau of Mines, 1933–96, Minerals Yearbook, 1932–94.
- U.S. Geological Survey, 1901–27, Mineral Resources of the United States, 1900–23.
- U.S. Geological Survey, 1997–2005, Minerals Yearbook, v. I, 1995–2003.

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